## Author Index to Volume 198

Aben, I., W. Ubachs, G. van der Zwan and W. Hogervorst, Resonance CARS in Br <sub>2</sub>	198 (1992) 149
Alivisatos, A.P., see J.R. Sachleben	198 (1992) 431
Anders, C., see F. Pöllinger	198 (1992) 645
Andreoni, W., see J. Kohanoff	198 (1992) 472
Andreoni, W., see U. Röthlisberger	198 (1992) 478
Andrés, J., V.S. Safont and O. Tapia, Straining the double bond in 1,2-dihydroxyethylene.	
A simple theoretical model for the enediol moiety in Rubisco's substrate and analogs	198 (1992) 515
Aoiz, F.J., V.J. Herrero, O. Puentedura and V. Sáez Rábanos, State-resolved differential cross sections for the $H+D_2(v=0,j)\rightarrow HD(v',j')+D$ reaction from quasiclassical tra-	
jectory calculations	198 (1992) 321
Aoki, K., see H. Yamawaki	198 (1992) 183
Asahi, T., see N. Tamai	198 (1992) 413
Assar, S., see R. Wortmann	198 (1992) 220
Auzinsh, M.P., General restrictions for the relaxation constants of the polarization mo-	
ments of the density matrix	198 (1992) 305
Baeck, K.K., M.S. Lee and Y.S. Lee, All-electron relativistic self-consistent-field calcula-	
tions for CO and CO+	198 (1992) 273
Balasubramanian, K., Characteristic polynomials of fullerene cages	198 (1992) 577
Balooch, M., see A.V. Hamza	198 (1992) 603
Bard, A.J., see SL. Yau	198 (1992) 383
Barnard, J.C., see R.A. Bennett	198 (1992) 241
Baronavski, A.P., see S.W. McCauley	198 (1992) 437
Basson, I. and E.C. Reynhardt, The structure and melting of paraffinic Fischer-Tropsch	
waxes	198 (1992) 367
Becker, K.H., R. Kurtenbach and P. Wiesen, Investigation of N <sub>2</sub> O formation in the	()
NCO+NO reaction by Fourier-transform infrared spectroscopy	198 (1992) 424
Beddard, G.S., G.G. McFadyen, G.D. Reid and J.R.G. Thorne, Pulse transform transient	.,, (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
absorption spectroscopy	198 (1992) 641
Bennett, R.A., R.G. Sharpe, R.J. Guest, J.C. Barnard, R.E. Palmer and M.A. MacDonald,	120 (1222) 011
Resonant substrate-mediated photodissociation of adsorbed molecules: Q <sub>2</sub> /graphite	198 (1992) 241
Bentley, J.A., J.M. Bowman, B. Gazdy, T.J. Lee and C.E. Dateo, A global ab initio poten-	170 (1772) 241
tial for HCN/HNC, exact vibrational energies, and comparison to experiment	198 (1992) 563
Besnard, M., M.l. Cabaço and J. Yarwood, The evolution between slow and rapid chem-	196 (1992) 303
	198 (1992) 207
ical exchange processes in a liquid binary mixture	198 (1992) 461
Bethune, D.S., see M. Hoinkis	198 (1992) 401
Bevan, J.W., A.C. Legon, C.A. Rego and J. Roach, The vibrational state (1000) of AHCl	100 (1002) 247
excited in a pulsed jet by a glow discharge. Rotational spectrum and lifetime	198 (1992) 347
Bhattacharyya, K., see K. Das	198 (1992) 443
Bieser, G., see A. Ogrodnik	198 (1992) 653
Blinder, S.M., see L.L. Lohr	198 (1992) 100

Bliznyuk, A.A., M. Shen and H.F. Schaefer III, The dodecahedral N <sub>20</sub> molecule. Some the-	
oretical predictions	198 (1992) 249
Board Jr., J.A., J.W. Causey, J.F. Leathrum Jr., A. Windemuth and K. Schulten, Accel-	170 (1772) 247
erated molecular dynamics simulation with the parallel fast multipole algorithm	198 (1992) 89
Bockisch, F., JC. Rayez, D. Liotard and B. Duguay, A photochemical way from	(,
[7]paracyclophane to [7]Dewar benzene?	198 (1992) 505
Bondybey, V.E., see B.E. Wurfel	198 (1992) 135
Bouteiller, Y., Basis set superposition error effects on $\nu_{FX}$ , $\nu_{FXN}$ stretching modes of hy-	()
drogen-bonded systems FXNCH (X=H, D)	198 (1992) 491
Bowman, J.M., see J.A. Bentley	198 (1992) 563
Broyer, M., A. Goeres, M. Pellarin, E. Sedlmayr, J.L. Vialle and L. Wöste, Experimental	,
studies on the formation process of C <sub>60</sub>	198 (1992) 128
Brumer, P., see Z. Chen	198 (1992) 498
Buenker, R.J., see A. Metropoulos	198 (1992) 266
Cabaço, M.I., see M. Besnard	198 (1992) 207
Caballol, R., see J. Miralles	198 (1992) 555
Cacheiro, A., F. Castaño, M. Martínez and M.N. Sánchez Rayo, Removal rates of	170 (1772) 555
$CD_2(\tilde{\mathfrak{b}}^1B_1)\Sigma(0, 20, 0)$ by alkenes	198 (1992) 328
Cahill, P.A., see C.C. Henderson	198 (1992) 570
Cartier, S.F., see Z.Y. Chen	198 (1992) 118
Castaño, F., see A. Cacheiro	198 (1992) 328
Castleman Jr., A.W., see Z.Y. Chen	198 (1992) 118
Causey, J.W., see J.A. Board Jr.	198 (1992) 89
Chandrashekar, T.K., see R.P. Pandian	198 (1992) 163
Chatzidimitriou-Dreismann, C.A., see S. Takeda	198 (1992) 316
Chen, K., Direct determination of number density-angle-velocity distributions in the cen-	170 (1772) 510
ter-of-mass frame of scattering processes by gated two-dimensional imaging techniques	198 (1992) 288
Chen, Z., P. Brumer and M. Shapiro, Coherent radiative control of molecular photodis-	170 (1772) 200
sociation via resonant two-photon versus two-photon interference	198 (1992) 498
Chen, Z.Y., B.C. Guo, B.D. May, S.F. Cartier and A.W. Castleman Jr., Reaction channels	()
in a plasma reactor-laser vaporization source. Formation of carbon clusters and metal-	
carbon clusters	198 (1992) 118
Chou, PT., M.L. Martinez and W.C. Cooper, Multiple fluorescences in para-N,N-die-	()
thylaminosalicylic acid	198 (1992) 188
Chowdhury, P.K., see A. Kumar	198 (1992) 406
Chu, SI., see G. Yao	198 (1992) 39
Coalson, R.D., see A.M. Walsh	198 (1992) 293
Colvin, V.L., see J.R. Sachleben	198 (1992) 431
Cooper, W.C., see PT. Chou	198 (1992) 188
Cramer, C.J. and D.G. Truhlar, Polarization of the nucleic bases in aqueous solution	198 (1992) 74
Crowder, M.S., see M. Hoinkis	198 (1992) 461
Dalgaard, E., see H. Koch	198 (1992) 51
Das, K., N. Sarkar, D. Majumdar and K. Bhattacharyya, Excited-state intramolecular pro-	
ton transfer and rotamerism of 2-(2'-hydroxyphenyl) benzimidazole	198 (1992) 443
Dateo, C.E., see J.A. Bentley	198 (1992) 563
•	

Volume 198, number 6	CHEMICAL PHYSICS LETTERS	23 October 1992
Daudey, JP., see J. Miralles		198 (1992) 555
Dedonder-Lardeux, C., see C. Jouve	et	198 (1992) 419
Demachy, I., see F. Volatron		198 (1992) 253
De Schryver, F.C., see Ph. Van Hav	er	198 (1992) 361
Detzer, N., see R. Wortmann		198 (1992) 220
Devolder, P., see J.P. Sawerysyn		198 (1992) 197
De Vries, M.S., see M. Hoinkis		198 (1992) 461
Donaldson, D.J., see S.P. Sapers		198 (1992) 341
Duguay, B., see F. Bockisch		198 (1992) 505
Dykstra, C.E., see K.A. Franken		198 (1992) 59
Eberl, U., see A. Ogrodnik		198 (1992) 653
Elich, K., see R. Wortmann		198 (1992) 220
Emsley, L., see J.R. Sachleben		198 (1992) 431
Endo, S., see J. Higo		198 (1992) 300
Engert, C., A. Materny and W. Kie	efer, Temperature-dependent Raman spectra of poly-	
diacetylene single crystals excite	d in the near infrared	198 (1992) 395
Ervin, K.M., see X. Ren		198 (1992) 229
Felker, P.M., see V.A. Venturo		198 (1992) 628
Franken, K.A., M. Jalaie and C.E. I	Dykstra, Model studies of six-membered water clusters	198 (1992) 59
	ger, H. Pfeifer and K. Heinzinger, An MD simulation ion equation for molecules adsorbed in a zeolite	198 (1992) 283
Fujiki, M., Structural defects in po		198 (1992) 177
Fujiwara, S., see H. Yamawaki	(methylphenyishylene)	198 (1992) 183
rujiwata, 3., see ri. Tamawaki		198 (1992) 183
Gazdy, B., see J.A. Bentley		198 (1992) 563
Ghirardi, M.L., see S.W. McCauley		198 (1992) 437
Ghosh, H.N., see D.K. Palit Girlando, A., A. Painelli and Z.G. S	Soos, Infrared and Raman modes of polyacetylene and	198 (1992) 113
its isotopes: transferable couplin		198 (1992) 9
Gladenkova, S.N., see I.S. Osad'ko	-	198 (1992) 531
	chleyer, Structures, bonding and energies of N <sub>6</sub> isomers	198 (1992) 547
Goeres, A., see M. Broyer	and the second s	198 (1992) 128
Gogosha, S.B., see D.L. Lichtenber	ger	198 (1992) 454
Golden, W.G., see C.N. Tam		198 (1992) 123
Gorshkov, M.V., see S. Guan		198 (1992) 143
Gou, Q.Q., see H.G. Yu		198 (1992) 27
	overlap effects in radiation chemistry	198 (1992) 81
	. Marshall, Circularly polarized quadrature excitation	() 01
for Fourier-transform ion cyclot	ron resonance mass spectrometry	198 (1992) 143
C D I D I D		100 (1000) 011

Guest, R.J., see R.A. Bennett

Gürtler, P., see A.V. Kanaev

Haberlandt, R., see S. Fritzsche

Guo, B.C., see Z.Y. Chen

Ha, T.-K., see H.U. Suter

198 (1992) 241

198 (1992) 118

198 (1992) 157

198 (1992) 259

198 (1992) 283

Hamza, A.V. and M. Balooch, The adsorption of C <sub>60</sub> and the co-adsorption of C <sub>60</sub> and H <sub>2</sub> O	
on $\alpha$ -Al <sub>2</sub> O <sub>3</sub> (1 $\tilde{1}$ 02)-(2×1)	198 (1992) 603
Harris, R., see N.J.B. Green	198 (1992) 81
Harter, W.G. and T.C. Reimer, Nuclear spin weights and gas phase spectral structure of	
<sup>12</sup> C <sub>60</sub> and <sup>13</sup> C <sub>60</sub> buckminsterfullerene, Chem. Phys. Letters 194 (1992) 230. Erratum	198 (1992) 429
Heinzinger, K., see S. Fritzsche	198 (1992) 283
Heitele, H., see F. Pöllinger	198 (1992) 645
Henderson, C.C. and P.A. Cahill, Semi-empirical calculations of the isomeric C <sub>60</sub> dihydrides	198 (1992) 570
Herrero, V.J., see F.J. Aoiz	198 (1992) 321
Higo, J., S. Endo and K. Nagayama, Directional ordering of protein molecules in a two-	
dimensional hexagonal lattice. An approach with a poker chip model	198 (1992) 300
Hippler, M., M.R.S. McCoustra and J. Pfab, Structured absorption spectrum and vibra-	
tional state-selectivity in the photodissociation of methyl nitrite in the near-UV	198 (1992) 168
Hirayama, S., see M. Kono	198 (1992) 214
Hirsch, G., see A. Metropoulos	198 (1992) 266
Hogervorst, W., see I. Aben	198 (1992) 149
Hoinkis, M., C.S. Yannoni, D.S. Bethune, J.R. Salem, R.D. Johnson, M.S. Crowder and	()
M.S. de Vries, Multiple species of La@C <sub>82</sub> and Y@C <sub>82</sub> . Mass spectroscopic and solu-	
tion EPR studies	198 (1992) 461
Holmes, J.L., F.P. Lossing and P.M. Mayer, Concerning the heats of formation of CH2NH	,,
and CH <sub>2</sub> NH <sup>+</sup>	198 (1992) 211
Hutson, J.M., see A.E. Thornley	198 (1992) 1
,	,
Inoue, Y. and M. Matsukawa, Different effects of Rayleigh-type surface acoustic waves on	
catalytic activity of a thin Cu film for ethanol oxidation	198 (1992) 246
Inukai, J., see H. Ogasawara	198 (1992) 389
Ishii, K., H. Nakayama, K. Tanabe and M. Kawahara, Structural relaxations in amorphous	
biphenyl. Raman spectroscopic studies	198 (1992) 236
Ito, M., see H. Ogasawara	198 (1992) 389
Innovember W. on T. Marin	100 (1002) 621
Jaegermann, W., see T. Mayer	198 (1992) 621
Jalaie, M., see K.A. Franken	198 (1992) 59
Jiang, Q., see H. Xia	198 (1992) 109
Johnson, R.D., see M. Hoinkis	198 (1992) 461
Jones, V.K. and A.A. Rodriguez, Analysis of the reorientational motion of C <sub>60</sub> in	100 (1002) 272
toluene-d <sub>8</sub> at 303 K	198 (1992) 373
Jouvet, C., C. Dedonder-Lardeux, S. Martrenchard-Barra and D. Solgadi, Mass-analyzed	
threshold ionization (MATI) spectroscopy in a conventional time-of-flight mass	100 (1000) 110
spectrometer	198 (1992) 419
Kainuma, K., see J. Takeda	198 (1992) 609
Kakudate, Y., see H. Yamawaki	198 (1992) 183
Kanaev, A.V., T. Möller and P. Gürtler, Time-resolved spectroscopy of Xe/H <sub>2</sub> (D <sub>2</sub> ) gas	
mixtures excited in the vicinity of the first resonance line	198 (1992) 157
Kar, T., see A.B. Sannigrahi	198 (1992) 67
Kärger, J., see S. Fritzsche	198 (1992) 283
Kawahara, M., see K. Ishii	198 (1992) 236
Nawanara, 191., See N. 151111	190 (1992) 230

Kawai, A., T. Okutsu and K. Obi, CIDEP in the photosensitized dissociation of	
benzylchloride	198 (1992) 637
Keiderling, T.A., see C.N. Tam	198 (1992) 123
Keiderling, T.A., see M. Pilch	198 (1992) 511
Kiefer, W., see C. Engert	198 (1992) 395
Kobayashi, K., see N. Kurita	198 (1992) 95
Koch, H. and E. Dalgaard, A variational matrix decomposition applied to full configuration-interaction calculations	198 (1992) 51
Kohanoff, J., W. Andreoni and M. Parrinello, A possible new highly stable fulleride clus- ter: Li <sub>12</sub> C <sub>60</sub>	198 (1992) 472
Kono, M., Y. Kubo, S. Hirayama and K. Shobatake, Radiative lifetime and electronic re- laxation of 9-cyanoanthracene in rare-gas clusters and in rare-gas matrices	198 (1992) 214
Krongauz, V.V., see Y. Lin	198 (1992) 200
Kubo, Y., see M. Kono	198 (1992) 214
Kumahora, H., see N. Kurita	198 (1992) 95
Kumar, A., P.K. Chowdhury, K.V.S. Rama Rao and J.P. Mittal, Four-centered concerted ethane elimination in the IR and UV laser photolysis of dimethyldisulfide. Real-time	
observation of S <sub>2</sub> and CH <sub>3</sub> S radicals	198 (1992) 406
Kurita, N., K. Kobayashi, H. Kumahora, K. Tago and K. Ozawa, Molecular structures,	100 (1002) 05
binding energies and electronic properties of dopyballs $C_{59}X$ (X=B, N and S)	198 (1992) 95
Kurita, S., see J. Takeda	198 (1992) 609
Kurita, Y., see J. Takeda	198 (1992) 609
Kurtenbach, R., see K.H. Becker	198 (1992) 424
Lambry, JC., see C. Rischel	198 (1992) 31
Langenbacher, T., see A. Ogrodnik	198 (1992) 653
Leathrum Jr., J.F., see J.A. Board Jr.	198 (1992) 89
Lebus, S., see R. Wortmann	198 (1992) 220
Lee, A.M., see D.J. Wales	198 (1992) 279
Lee, M.S., see K.K. Baeck	198 (1992) 273
Lee, T.J., see J.A. Bentley	198 (1992) 563
Lee, Y.S., see K.K. Baeck	198 (1992) 273
Legon, A.C., see J.W. Bevan	198 (1992) 347
Lehmann, J., see T. Mayer	198 (1992) 621
Lerner, M.M., see SL. Yau	198 (1992) 383
Li, Y., see A. Metropoulos	198 (1992) 266
Lichtenberger, D.L., M.E. Rempe and S.B. Gogosha, The HeI valence photoelectron spectrum of $C_{70}$ in the gas phase	198 (1992) 454
Lin, Y., A. Liu, A.D. Trifunac and V.V. Krongauz, Investigation of electron transfer be- tween hexaerylbiimidazole and visible sensitizer	198 (1992) 200
Liotard, D., see F. Bockisch	198 (1992) 505
Liptay, W., see R. Wortmann	198 (1992) 220
Liu, A., see Y. Lin	198 (1992) 200
Liu, ZM., XL. Zhou and J.M. White, Electron-induced dissociation of monolayer C <sub>2</sub> H <sub>5</sub> Cl on Ag(111). Electron energy dependence	198 (1992) 615
Lobaugh, J. and G.A. Voth, Calculation of quantum activation free energies for proton	(1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
transfer reactions in polar solvents	198 (1992) 311

Lohr, L.L. and S.M. Blinder, Electron photodetachment from a Dirac bubble potential. A model for the fullerene negative ion C <sub>50</sub>	198 (1992) 100
Losert, O.F.J. and B. Schramm, Vibrational relaxation of $HCl(v=1)$ in argon, krypton,	,,
and xenon gaseous mixtures between 296 and 173 K	198 (1992) 355
Lossing, F.P., see J.L. Holmes	198 (1992) 211
MacDonald, M.A., see R.A. Bennett	198 (1992) 241
Majumdar, D., see K. Das	198 (1992) 443
Manz, J., B. Reischl, T. Schröder, F. Seyl and B. Warmuth, On the laser-femtochemistry	
approach to coherent molecular vibrations. Model simulations for Ni[C <sub>2</sub> D <sub>4</sub> ]→Ni+C <sub>2</sub> D <sub>4</sub>	198 (1992) 483
Marshall, A.G., see S. Guan	198 (1992) 143
Martin, JL., see C. Rischel	198 (1992) 31
Martínez, M., see A. Cacheiro	198 (1992) 328
Martinez, M.L., see PT. Chou	198 (1992) 188
Martrenchard-Barra, S., see C. Jouvet	198 (1992) 419
Masuhara, H., see N. Tamai	198 (1992) 413
Materny, A., see C. Engert	198 (1992) 395
Matsukawa, M., see Y. Inoue	198 (1992) 246
Mattoo, A.K., see S.W. McCauley	198 (1992) 437
Maxton, P.M., see V.A. Venturo	198 (1992) 628
May, B.D., see Z.Y. Chen	198 (1992) 118
Mayer, P.M., see J.L. Holmes	198 (1992) 211
Mayer, T., J. Lehmann, C. Pettenkofer and W. Jaegermann, Coadsorption of Na and Br2	
on WSe <sub>2</sub> (0001). Creating a surface redox couple?	198 (1992) 621
McCauley, S.W., A.P. Baronavski, J.K. Rice, M.L. Ghirardi and A.K. Mattoo, A search for	
subpicosecond absorption components in photosystem II reaction centers	198 (1992) 437
McCoustra, M.R.S., see M. Hippler	198 (1992) 168
McFadyen, G.G., see G.S. Beddard	198 (1992) 641
Meijer, G., see P.H.M. van Loosdrecht	198 (1992) 587
Meriaux, B., see J.P. Sawerysyn	198 (1992) 197
Metropoulos, A., Y. Li, G. Hirsch and R.J. Buenker, Electric dipole transition moments	
between the ${}^2\Sigma_u^+$ and ${}^2\Sigma_z^+$ states of the He <sub>2</sub> ion	198 (1992) 266
Michel-Beyerle, M.E., see F. Pöllinger	198 (1992) 645
Michel-Beyerle, M.E., see A. Ogrodnik	198 (1992) 653
Michl, J., see H.S. Plitt	198 (1992) 400
Miralles, J., JP. Daudey and R. Caballol, Variational calculation of small energy differ-	
ences. The singlet-triplet gap in [Cu <sub>2</sub> Cl <sub>6</sub> ] <sup>2-</sup>	198 (1992) 555
Mittal, J.P., see D.K. Palit	198 (1992) 113
Mittal, J.P., see A. Kumar	198 (1992) 406
Moffat, T.P., see SL. Yau	198 (1992) 383
Möller, T., see A.V. Kanaev	198 (1992) 157
Moore, J.F., see M.W. Ruckman	198 (1992) 137
Mowlem, J.K., see M.W. Ruckman	198 (1992) 449
Murray, M.F., see M.W. Ruckman	
Muliay, M.F., See M. W. Ruckinan	198 (1992) 449
Nagase, N., see J. Takeda	198 (1992) 609
Nagayama, K., see J. Higo	198 (1992) 300

Nakayama, H., see K. Ishii	198 (1992) 236
Nakayama, N., see J. Takeda	198 (1992) 609
Nandi, P.K., see A.B. Sannigrahi	198 (1992) 67
Nellis, W.J., see C.S. Yoo	198 (1992) 379
Nyberg, A.M. and T. Schlick, Increasing the time step in molecular dynamics	198 (1992) 538
Obi, K., see A. Kawai	198 (1992) 637
Ogasawara, H., J. Inukai and M. Ito, Potential-induced migration of top-layer atoms and molecules on Pt(110) electrode surface studied by infrared reflection absorption	
spectroscopy	198 (1992) 389
Ogrodnik, A., T. Langenbacher, G. Bieser, J. Siegl, U. Eberl, M. Volk and M.E. Michel-Be- yerle, Electric field-induced decrease of quantum yield of charge separation in photo-	
synthetic reaction centers	198 (1992) 653
Okutsu, T., see A. Kawai	198 (1992) 637
Olsen, J., see D. Sundholm	198 (1992) 526
Osad'ko, I.S. and S.N. Gladenkova, Ultrafast optical dephasing in solids	198 (1992) 531
Ozawa, K., see N. Kurita	198 (1992) 95
Painelli, A., see A. Girlando	198 (1992) 9
Pal, H., see D.K. Palit	198 (1992) 113
Palit, D.K., H.N. Ghosh, H. Pal, A.V. Sapre, J.P. Mittal, R. Seshadri and C.N.R. Rao, Dynamics of charge transfer in the excited amine complexes of the fullerenes C <sub>60</sub> and C <sub>70</sub> .	
A picosecond laser flash photolysis study	198 (1992) 113
Palmer, R.E., see R.A. Bennett	198 (1992) 241
Pandian, R.P., T.K. Chandrashekar and H. van Willigen, Photoexcited triplet ESR studies on water-soluble thiaporphyrins	198 (1992) 163
Parr, R.G., Implications of the virial theorem for quantum-chemical calculations of vi-	170 (1772) 103
brational frequencies and equilibrium distances	198 (1992) 25
Parrinello, M., see J. Kohanoff	198 (1992) 472
Pawlikowski, M., see M. Pilch	198 (1992) 511
Pekcan, Ö., Inverted Klafter-Blumen equation for fractal analysis in particles with inter-	196 (1992) 311
penetrating network morphology	198 (1992) 20
Pellarin, M., see M. Broyer	198 (1992) 128
Pettenkofer, C., see T. Mayer	198 (1992) 621
Pfab, J., see M. Hippler	198 (1992) 168
Pfeifer, H., see S. Fritzsche	198 (1992) 283
	198 (1992) 283
Pilch, M., M. Pawlikowski and T.A. Keiderling, Theoretical analysis of magnetic vibra-	100 (1002) 611
tional circular dichroism for 1,3,5-trihalobenzene derivatives	198 (1992) 511
Pines, A., see J.R. Sachleben	198 (1992) 431
Plitt, H.S. and J. Michl, Conformational effects on σ-conjugation. UV and IR spectra of matrix-isolated trans- and gauche-n-Si <sub>4</sub> Me <sub>10</sub>	198 (1992) 400
Pöllinger, F., H. Heitele, M.E. Michel-Beyerle, C. Anders and H.A. Staab, Absence of di- electric relaxation effects on intramolecular electron transfer in porphyrin-quinone-	
cyclophanes	198 (1992) 645
Puentedura, O., see F.J. Aoiz	198 (1992) 321
Raghavachari, K. and C.M. Rohlfing, Structures of Si <sub>10</sub> . Are there conventionally bonded	
low-energy isomers?	198 (1992) 521

Volume 198, number 6	CHEMICAL PHYSICS LETTERS	23 October 1992
Rama Rao, K.V.S., see A. Kur	mar	198 (1992) 406
Rao, C.N.R., see D.K. Palit		198 (1992) 113
Rashev, S., Coriolis coupling a	and IVR in S <sub>1</sub> benzene	198 (1992) 15
Rayez, JC., see F. Bockisch		198 (1992) 505
Redline, N.L. and M.W. Wind	isor, The effect of pressure on charge separation in photo-	
synthetic bacterial reaction	centers of Rhodopseudomonas viridis	198 (1992) 334
Rego, C.A., see J.W. Bevan		198 (1992) 347
Reid, G.D., see G.S. Beddard		198 (1992) 641
Reimer, T.C., see W.G. Harter	r	198 (1992) 429
Reischl, B., see J. Manz		198 (1992) 483
Rempe, M.E., see D.L. Lichter	nberger	198 (1992) 454
Ren, X. and K.M. Ervin, Read	ctions of tin and lead cluster anions with oxygen	198 (1992) 229
Reynhardt, E.C., see I. Basson		198 (1992) 367
Rice, J.K., see S.W. McCauley		198 (1992) 437
Rischel, C., JC. Lambry and J	L. Martin, Guiding mode analysis, a generalization of nor-	
mal mode analysis		198 (1992) 31
Roach, J., see J.W. Bevan		198 (1992) 347
Rodriguez, A.A., see V.K. Jon	es	198 (1992) 373
Rohlfing, C.M., see K. Raghav	vachari	198 (1992) 521
Röthlisberger, U. and W. And	reoni, Metal clusters with impurities: $Na_nMg$ ( $n=6-9,18$ )	198 (1992) 478
and photoemission studies	y, J.K. Mowlem, J.F. Moore and D.R. Strongin, Near-edge of condensed diborane. Evidence for intermolecular inter-	
actions in the solid phase		198 (1992) 449
Sachleben, J.R., E.W. Wooten,	L. Emsley, A. Pines, V.L. Colvin and A.P. Alivisatos, NMR	
	ture and dynamics of semiconductor nanocrystals	198 (1992) 431
Sáez Rábanos, V., see F.J. Aoi		198 (1992) 321
Safont, V.S., see J. Andrés		198 (1992) 515
Saito, S. and S. Sawada, Grow	wth mechanism and geometry of LaC <sub>82</sub>	198 (1992) 466
Salem, J.R., see M. Hoinkis		198 (1992) 461
Sánchez Rayo, M.N., see A. C	acheiro	198 (1992) 328
Sannigrahi, A.B., T. Kar and P	K. Nandi, Ab initio theoretical study of the electronic struc-	
ture, stability and bonding	of MXY ions (M=H, Li, Na; X, Y=F, Cl)	198 (1992) 67
Sapers, S.P. and D.J. Donalds	on, Vibrational energy disposal in the CS(1Σ+) product of	f
the two-photon, 308 nm pl	hotodissociation of CS <sub>2</sub>	198 (1992) 341
Sapre, A.V., see D.K. Palit		198 (1992) 113
Sarkar, N., see K. Das		198 (1992) 443
Sawada, S., see S. Saito		198 (1992) 466
	B. Meriaux and P. Devolder, Absolute rate constants for el- n chlorine atoms and CHF <sub>2</sub> Cl, CH <sub>3</sub> CFCl <sub>2</sub> , CH <sub>3</sub> CF <sub>2</sub> Cl and	
$CH_2FCF_3$ at $297 \pm 2$ K		198 (1992) 197
Schaefer III, H.F., see A.A. Bl	•	198 (1992) 249
Schleyer, P. von R., see M.N.	Glukhovtsev	198 (1992) 547
Schlick, T., see A.M. Nyberg		198 (1992) 538
Cohenman D and OFI I and	-	100 (1002) 266

198 (1992) 355

198 (1992) 483

198 (1992) 89

Schlick, T., see A.M. Nyberg Schramm, B., see O.F.J. Losert

Schulten, K., see J.A. Board Jr.

Schröder, T., see J. Manz

Volume 198, number 6	CHEMICAL PHYSICS LETTERS	23 October 1992
Sedlmayr, E., see M. Broyer		198 (1992) 128
Seshadri, R., see D.K. Palit		198 (1992) 113
Seyl, F., see J. Manz		198 (1992) 483
Shapiro, M., see Z. Chen		198 (1992) 498
Sharpe, R.G., see R.A. Bennett		198 (1992) 241
Shen, M., see A.A. Bliznyuk		198 (1992) 249
Shobatake, K., see M. Kono		198 (1992) 214
Siegl, J., see A. Ogrodnik		198 (1992) 653
Solgadi, D., see C. Jouvet		198 (1992) 419
Soos, Z.G., see A. Girlando		198 (1992) 9
Staab, H.A., see F. Pöllinger		198 (1992) 645
Strongin, D.R., see M.W. Ruckman		198 (1992) 449
	element multiconfiguration Hartree-Fock determina-	()
tion of the atomic quadrupole m		198 (1992) 526
	quantum-chemical study of the lower-lying electronic	(,
states of o-benzyne	, , , , , , , , , , , , , , , , , , , ,	198 (1992) 259
Tago, K., see N. Kurita		198 (1992) 95
Takamura, H., see A. Tsuchida		198 (1992) 193
Takeda, J., N. Nakayama, N. Nagas Y. Kurita, Intermolecular interac	e, T. Tayu, K. Kainuma, S. Kurita, Y. Yokoyama and tion of photochromic furylfulgide dispersed in a poly-	
mer film	Chatridimitaion Projemana Evidence of quantum	198 (1992) 609
	A. Chatzidimitriou-Dreismann, Evidence of quantum lynamics in the hydrogen bonds in partially deuterated	
benzoic acid crystals		198 (1992) 316
Talhaoui, A., see J.P. Sawerysyn		198 (1992) 197
	g and W.G. Golden, Magnetic vibrational circular di-	
chroism of C <sub>60</sub> in the 1430 and	1183 cm <sup>-1</sup> t <sub>1u</sub> modes	198 (1992) 123
Tamai, N., T. Asahi and H. Masuhi	ara, Intersystem crossing of benzophenone by femto-	
second transient grating spectros	сору	198 (1992) 413
Tanabe, K., see K. Ishii		198 (1992) 236
Tapia, O., see J. Andrés		198 (1992) 515
Tayu, T., see J. Takeda		198 (1992) 609
Thoma, A., see B.E. Wurfel		198 (1992) 135
Thorne, J.R.G., see G.S. Beddard		198 (1992) 641
Thornley, A.E. and J.M. Hutson, 7 mation from infrared and micro	The intermolecular potential of Ar-acetylene. Infor- wave spectroscopy	198 (1992) 1
Tian, D., see H. Xia		198 (1992) 109
Trifunac, A.D., see Y. Lin		198 (1992) 200
Truhlar, D.G., see C.J. Cramer		198 (1992) 74
Tsuchida, A., H. Takamura and M.	Yamamoto, Intramolecular hetero-dimer radical cat-	
	henanthrene and naphthalene-pyrene chromophores	198 (1992) 193
Tsuzumitani, A., see S. Takeda		198 (1992) 316
Ubachs, W., see I. Aben		198 (1992) 149
Ugarte, D., Morphology and structus C <sub>60</sub> production	re of graphitic soot particles generated in arc-discharge	198 (1992) 596

Usuba, S., see H. Yamawaki	198 (1992) 183
Van Bentum, P.J.M., see P.H.M. van Loosdrecht	198 (1992) 587
Van der Auweraer, M., see Ph. Van Haver	198 (1992) 361
Van der Zwan, G., see I. Aben	198 (1992) 149
Van Haver, Ph., M. Van der Auweraer, L. Viaene, F.C. De Schryver, J.W. Verho	
H.J. van Ramesdonk, Enhanced intersystem crossing in 3-(1-pyrenyl)propyl	
Van Loosdrecht, P.H.M., P.J.M. van Bentum, M.A. Verheijen and G. Meijer, Ra	man scat-
tering in single crystal C <sub>60</sub>	198 (1992) 587
Van Ramesdonk, H.J., see Ph. Van Haver	198 (1992) 361
Van Willigen, H., see R.P. Pandian	198 (1992) 163
Venturo, V.A., P.M. Maxton and P.M. Felker, Raman/vibronic double-resona	ince spec-
troscopy of benzene-doped argon clusters	198 (1992) 628
Verheijen, M.A., see P.H.M. van Loosdrecht	198 (1992) 587
Verhoeven, J.W., see Ph. Van Haver	198 (1992) 361
Viaene, L., see Ph. Van Haver	198 (1992) 361
Vialle, J.L., see M. Broyer	198 (1992) 128
Volatron, F. and I. Demachy, Ab initio study of the deconjugation in tri-substit	tuted BD <sub>3</sub>
boron systems (D=OH, NH <sub>2</sub> , BH <sub>4</sub> )	198 (1992) 253
Volk, M., see A. Ogrodnik	198 (1992) 653
Voth, G.A., see J. Lobaugh	198 (1992) 311
	(,
Wales, D.J. and A.M. Lee, Some further restrictions on the geometries of transit	tion states 198 (1992) 279
Walsh, A.M. and R.D. Coalson, Redfield theory is quantitative for coupled	harmonic
oscillators	198 (1992) 293
Wang, B., see C.N. Tam	198 (1992) 123
Warmuth, B., see J. Manz	198 (1992) 483
White, J.M., see ZM. Liu	198 (1992) 615
Wiesen, P., see K.H. Becker	198 (1992) 424
Windemuth, A., see J.A. Board Jr.	198 (1992) 89
Windsor, M.W., see N.L. Redline	198 (1992) 334
Wooten, E.W., see J.R. Sachleben	198 (1992) 431
Wortmann, R., S. Lebus, K. Elich, S. Assar, N. Detzer and W. Liptay, Solvent de	
of effective S <sub>1</sub> torsional potentials in 9,9'-bianthryl and 9-phenylanthracene	
Wöste, L., see M. Broyer	198 (1992) 128
Wurfel, B.E., A. Thoma and V.E. Bondybey, Vibrational spectroscopy of C <sub>2</sub> F:	
matrix	198 (1992) 135
	170 (1772) 100
Xia, H., Q. Jiang and D. Tian, Vibrational spectrum of C <sub>70</sub>	198 (1992) 109
Yamamoto, M., see A. Tsuchida	198 (1992) 193
Yamawaki, H., K. Aoki, Y. Kakudate, M. Yoshida, S. Usuba and S. Fujiwara, Infr	
of phase transition and chemical reaction in tetracyanoethylene under high	
Yan, Y.J., Light-matter temporal and frequency coherence and interference	198 (1992) 43
Yannoni, C.S., see M. Hoinkis	198 (1992) 461
Yao, G. and SI. Chu, Time-dependent multiphoton dynamics in intense short-	(
fields. Interaction representation approach	198 (1992) 39
neios. Interaction representation approach	198 (1992) 39

Volume 198, number 6	CHEMICAL PHYSICS LETTERS	23 October 1992
Yarwood, J., see M. Besnard		198 (1992) 207
Yau, SL., T.P. Moffat, A.J. B	ard, Z. Zhang and M.M. Lerner, STM of the (010) s	surface
of orthorhombic phosphore	us	198 (1992) 383
Yokoyama, Y., see J. Takeda		198 (1992) 609
Yoo, C.S. and W.J. Nellis, Pha	ase transition from C <sub>60</sub> molecules to strongly interacti	ing C <sub>60</sub>
agglomerates at hydrostatic	high pressures	198 (1992) 379
Yoshida, M., see H. Yamawal	ti .	198 (1992) 183
Yu, H.G., Z.H. Zhu and Q.Q.	Gou, Subchannel method for arrangement channel qu	antum
mechanics (ACQM). Appl	lication to ground state H <sub>3</sub> <sup>+</sup>	198 (1992) 27
Zhang, Z., see SL. Yau		198 (1992) 383
Zhou, XL., see ZM. Liu		198 (1992) 615
Zhu, Z.H., see H.G. Yu		198 (1992) 27